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RQ-L315

Color

(K)····· Black Type

Area

Country Code	Areas	Color	
[P]	U.S.A.	(K)	

Mini Cassette Recorder



RQ-310 MECHANISM SERIES (SG-10) **SPECIFICATIONS**

Power Requirement:

Motor:

Battery; 3V (Two R6/LR6, "AA" size

batteries)

AC; with optional Panasonic

AC Adaptor RD-9443HA

Power Output:

Frequency Response: 180~6,000Hz

Recording System:

Tape Speed:

Track System:

Electric governor mator

400mW (R.M.S. max)

DC bias, Magnet erase

4.8cm/s (11/8ips)

2-track monaural recording and

playback

Program Time: 1 hour with C-60 cassette tape

Jacks.

Input:

DC in; 3V

Output: Monitor; $(8 \Omega) \phi 3.5$

Speaker: Dimensions: $1\frac{3}{4}$ " (4.5cm) PM dynamic speaker (8 Ω)

Weight:

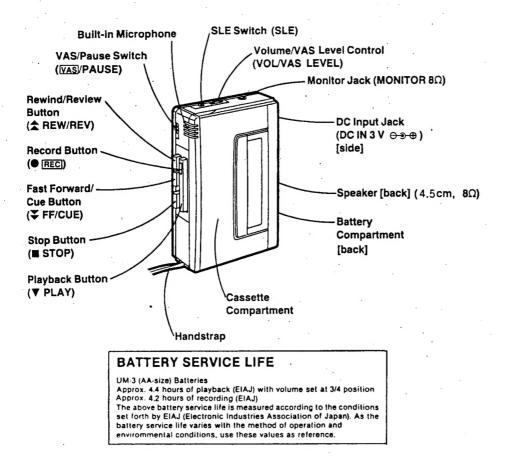
 $86(W) \times 121.5(H) \times 33.5(D)$ mm

 $(3 \frac{3}{8} " \times 4 \frac{13}{16} " \times 1 \frac{5}{16} ")$ 216g (7.6oz), without batteries

Weights and dimensions shown are approximate

Design and specifications are subject to change without notice.

LOCATION OF CONTROLS AND COMPONENTS



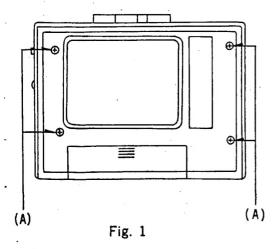
DISASSEMBLY INSTRUCTIONS

Removal of the Rear Cabinet (Fig. 1)

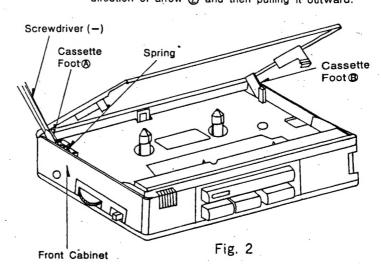
- 1. Remove screws (A) (2×10) mm.
- 2. Then remove panel from the unit.

Removal of the Cassette Lid (Fig. 2)

- 2. Then pull out the foot after pushing the spring on the front cabinet.



Note: Keep all parts together for reassembly.



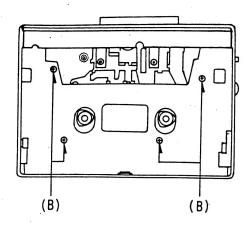
Note: When pushing the foots on the front cabinet with the screwdriver, do it with care.

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■Removal of the Front Cabinet (Fig. 3).

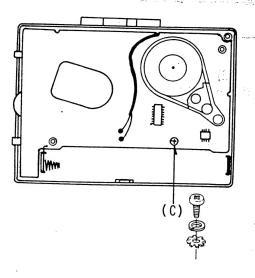
- 1. First remove screws (B) (1.7 × 4.5) mm X2
- 2. Then remove front cabinet.

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■Removal of the Circuit board (Fig. 4).

- 1. Remove screw (C) (2×16) mm.X1
- 2. Then remove circuit board from the unit.



MEASUREMENTS AND ADJUSTMENTS

■ ALIGNMENT INSTRUCTION

READ THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING ALIGMENT

- 1. Make sure heads are clean.
- 2. Make sure capstan and pressure roller are clean.
- 3. Set volume control to maximum.
- 4. Set power source voltage to 3V DC.

■ ADJUSTMENT

ITEM	INPUT	MEASUREMENT POINT	SPECIFICATION	ADJUSTMENT POINT	REMARKS
Head azimuth	QZZCSX (6.3kHz,-10dB)	Monitor jack (8Ω)	Maximum output	Head adjustment screw (See Fig. 1)	For tape playback
Tape speed	QZZCWAT (3kHz,-10dB)	Monitor jack . (8Ω)	3000±60Hz	VR2 (Tape speed adjust- ment VR) (see Fig. 2)	For tape speed adjustment: (1) Play back test tape. (2) Adjust VR2 until a counter reading within the specified tolerances is obtained.

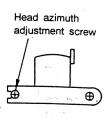


Fig. 1

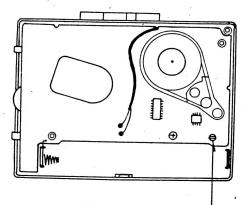
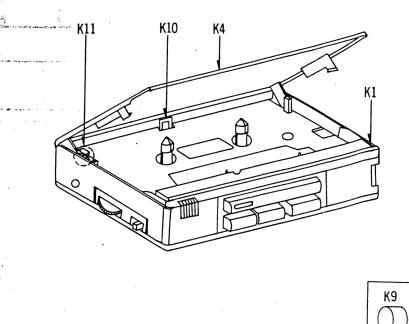
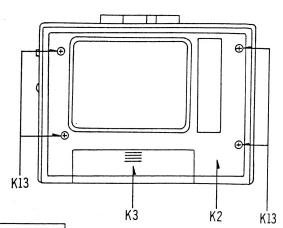
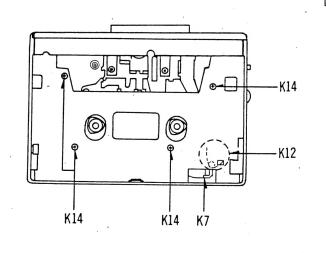


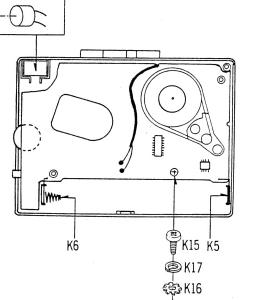
Fig. 2 VR2 (Tape speed adjustment VR)

CABINET PARTS LOCATION





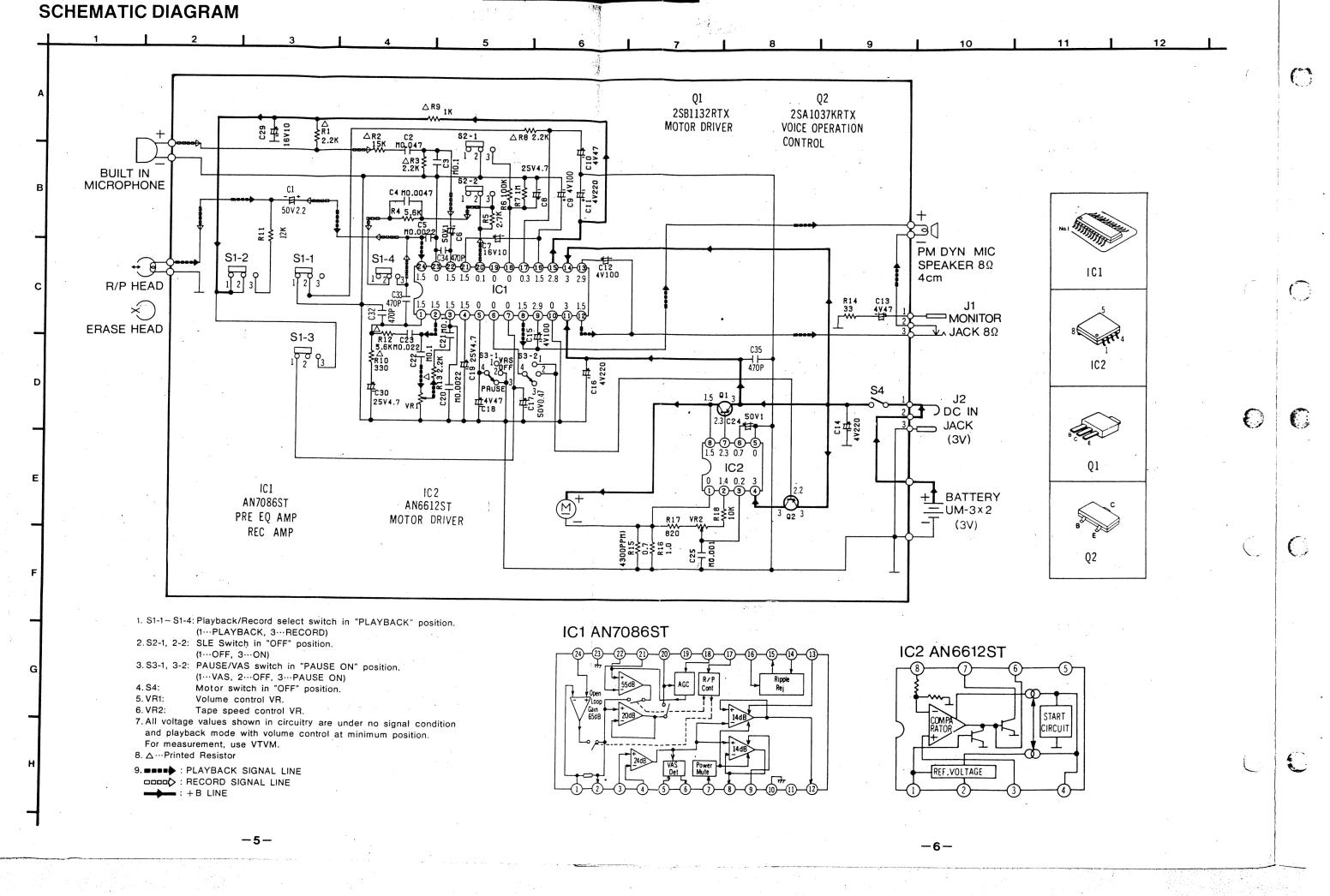




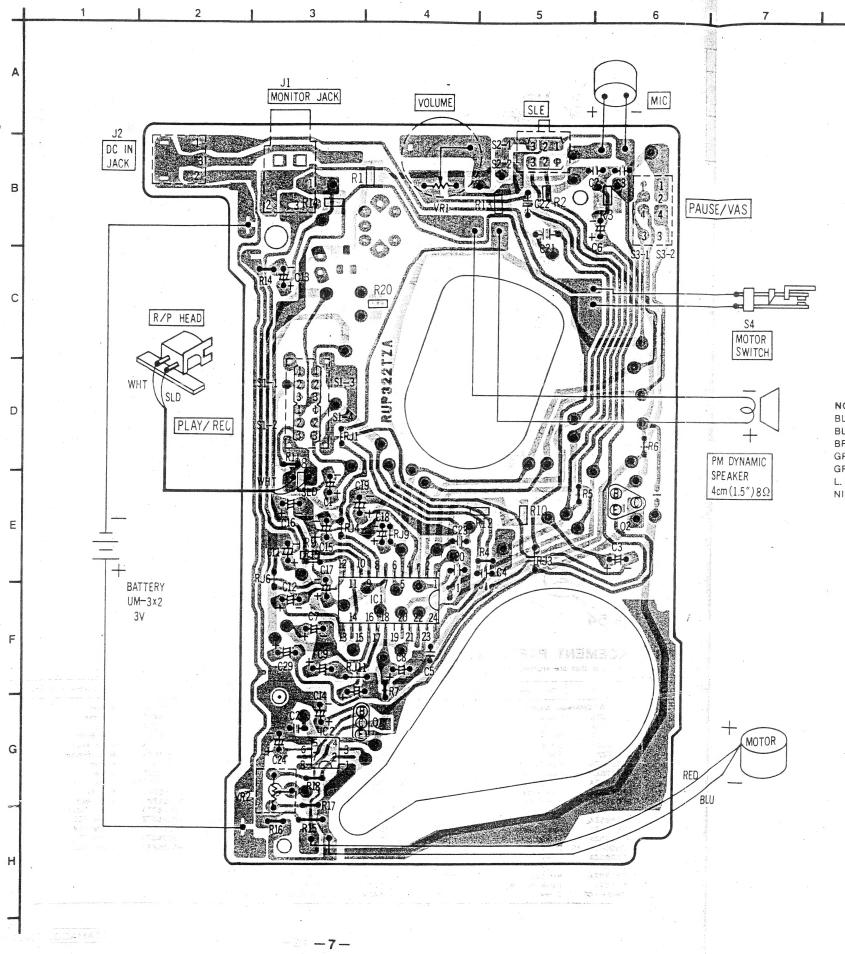
■ REPLACEMENT PARTS LIST

Ref. No.	Parts No.	Parts Name & Description	Ref. No.	Parts No.	Parts Name & Description
K1団 K2団 K3団	CABINET RYMQL315PKT RKF265TZA RKK225TZA	PARTS Front Cabinet Ass'y Rear Cabinet Battery Cover	K15① K16 K17①	XTN2+16FFN XWA2B XWE2X4BN	Screw Washer Spring Washer
K41 K51 K61 K71 K81	RYQQL315PKT RJC293TZA RJC294TZA RHR275TZA RJM172ZB	Cassette Cover Ass'y Terminal Battary (+) Spring Battary (-) Safety Lever (REC) MIC	A1① A2①	ACCE RKH91ZA RQX784TZA	SSORY Handle Strap Instruction Manual
K9団 K10団	RHG232TYA RUS253TZA	MIC Rubber Tape Spring	P1① P2①	PACKING RPK483TZA RPK484TZA	MATERIALS Clam Shell (Front) Clam Shell (Rear)
K11① K12① K13① K14①	RUS254TZA RUS257TZA XTNR2+10CFZ XTN17+4.5FFN	Cassette Cover Spring Safety Lever Spring Screw Screw	P3 🗍 P4 🗓	RPN1439TZA RPP405TZA	Pad Polyethylene Cover

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CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM



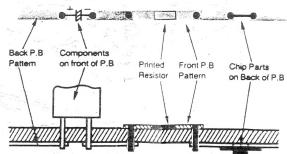
EREPLACEMENT PARTS LIST

Indicates parts that are supplied by TAMACO.

Ref. No.	Parts No.	Parts Name & Description	Ref. No.	Parts No.	Parts Name & Description	
INTEGR	ATED CIRCUIT, TRA	ANSISTORS AND DIODES	SWITCHES			
IC1 T	AN7086ST	I.C. Power Driver	SID	RSH2D20YA-Q	R/P Switch	
IC2 🗓	AN6612ST	I.C. Motor Control	S2I	RSS2B54X	Slide Switch (SLE)	
Q1	2SB1132RTX	Transistor	S3 🗉	RSS3B35YA-Q	Slide Switch (VAS)	
Q21	2SA1037KRTX	Transistor	S4	RFA78ZA	Motor Switch	
	VARIABLE R	ESISTOR	JACKS			
VR1 🗇	EVLHFAA06A14	V.R. Volume Control	J1	RJJD3M6ZB-C	Monitor Jack	
VR2 🗆	EVNDXAA02B52	V.R. Tape Speed	J2 5	RJJB2Z	DC IN Jack	
	SPEA	KER				
SPI	EAS45P301T	Speaker				

NOTES:	
BLKBlack	ORGOrange
BLUBlue	PNKPink
BRNBrown	REDRed
GRYGray	SLDShield Wire
GRNGreen	VLTViolet
L. BLULight Blue	WHTWhite
NILNo Color Mark	YELYellow

Ref. No.	Parts No.	Ref. No.	Parts No.
R4 R5 R6 R7 R11 R14	SISTORS ERJ6GEYJ562V ERJ6GEYJ272V ERJ6GEYJ105V ERJ6GEYJ105V ERJ6GEYJ1330V ERJ6GEYJ180V ERSL43JR70U ERJ6GEYJ1R0 ERJ6GEYJ1821V ERJ6GEYJ1103V	C3 C4 C5 C6,24 C7,29 C8,19	ITOR ECEA1HKS2R2 ECUX1C473MD ECUX1C104MD ECUX1H472MD ECUX1H222MD ECEA1HKS010 ECEA1CKS100 ECEA1EKS4R7 ECEAOGKS101
RJ3,11	JUMPERS ERJ8GEYOROOV ERJ6GEYOROO	C11,14,16 C17 C20 C21,22 C23 T	ECEAOGKS221 ECEA1HKSR47 ECUX1E103MD ECUX1E104MD ECUX1C223MD ECUX1H102MD ECUX1H102MD



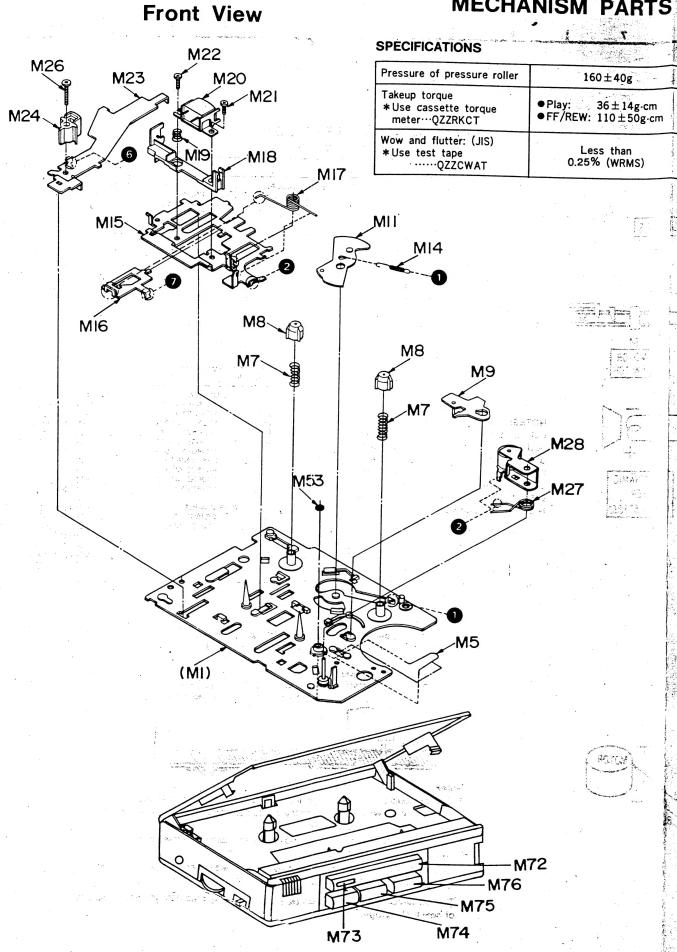
Notes:

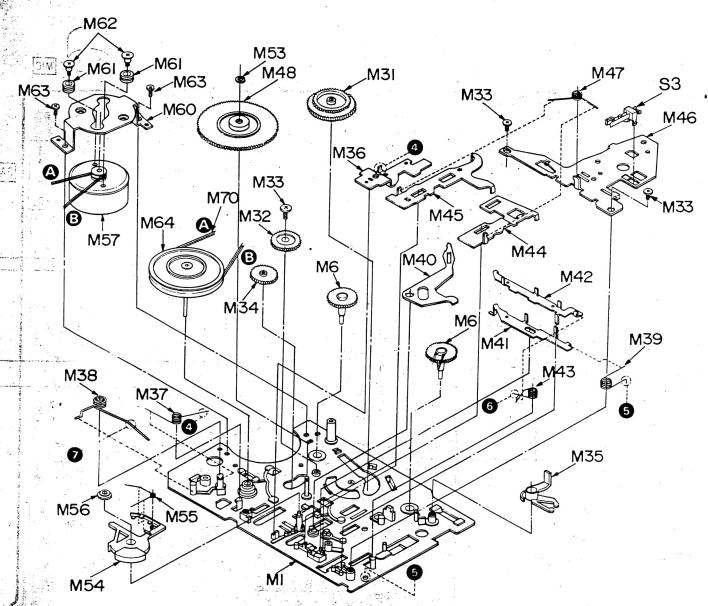
- 1. The symbols () shown in the circuit board indicate printed resistor.
- 2. The circuit shown in (on the conductor indicates printed circuit on the back side of the printed circuit board
- 3. The circuit shown in () on the conductor indicates printed circuit on the front side of the printed circuit board.
- 4. The symbols (a) shown in the circuit board indicate connection points between conductors on the front side and back side of the circuit board.
- eThis circuit board diagram may be modified at any time with the development of new technology.

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MECHANISM PARTS LOCATION

Rear View





■ REPLACEMENT PARTS LIST ☐ Indicates parts that are supplied by TAMACO.

\$ 1795 ·			A 100 20	San San Age Control				
Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description
M16 M17 M18 M19 M20 T M21 M22 M22 M23 M24	RFU115ZA RFS692ZA RFS692ZA RFS693ZA RFJ69ZA RFD318ZA RFD318ZA RFS694ZA RFU116ZA RFD319ZA RFS695ZA RFS695ZA RFS695ZA RFS695ZA RFS695ZA RFS696ZA	Rec Lever Earse Head Ass'y	M27 M28 M31 M32 M33 M34 M35 M36 M37 M38 M39 M40 M41 M42 M43 M44 M45 M46 M47 M48	RFY778ZA RFS698ZA RFS699ZA RFS700ZA RFY779ZA RFY7780ZA RFY781ZA RFS784ZA RFS784ZA RFY782ZA RFY783ZA RFE387ZA RFS702ZA	Spring Pinch Roller Ass'y Center Gear FF Gear Screw Play Gear Rec Arm Stop Lever Spring Spring Spring Spring F, R Lever Lock Lever Spring REW Lever Lever Guide Spring F Lever Lever Guide Spring Friction Gear Ass'y	M53 M54 M55 M56 M57 T M60 M61 M62 M63 M64 M70 T M73 T M73 T M75 T M75 T	RFN202ZA RFY784ZA RFS703ZA RFS703ZA RFS154ZA RFD320ZA RFH13ZA RFD320ZA RF148ZA RFE366ZA XON16+CF3 RFF50ZA RFB81ZA RBBC26ZTY RBC263TZ RBC263TZ RBC264TY RBC266TY	Washer AS Lever Spring Gear Bush Motor Ass'y Motor Bracket Rubber Screw Screw Flywheel Motor Belt Button Play Button REC Button REW Button FF Button Stop